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NEWS 2
                "Ask CAS" for self-help around the clock
NEWS 3 FEB 25 CA/CAPLUS - Russian Agency for Patents and Trademarks
                (ROSPATENT) added to list of core patent offices covered
NEWS 4 FEB 28 PATDPAFULL - New display fields provide for legal status
                data from INPADOC
NEWS 5 FEB 28 BABS - Current-awareness alerts (SDIs) available
NEWS 6 FEB 28 MEDLINE/LMEDLINE reloaded
NEWS 7 MAR 02 GBFULL: New full-text patent database on STN
NEWS 8 MAR 03 REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS 9 MAR 03 MEDLINE file segment of TOXCENTER reloaded
NEWS 10 MAR 22 KOREAPAT now updated monthly; patent information enhanced
NEWS 11 MAR 22 Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS 12 MAR 22 PATDPASPC - New patent database available
NEWS 13 MAR 22 REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS 14 APR 04 EPFULL enhanced with additional patent information and new
                fields
NEWS 15 APR 04 EMBASE - Database reloaded and enhanced
NEWS 16 APR 18 New CAS Information Use Policies available online
NEWS 17 APR 25 Patent searching, including current-awareness alerts (SDIs),
                based on application date in CA/CAplus and USPATFULL/USPAT2
                may be affected by a change in filing date for U.S.
                applications.
                Improved searching of U.S. Patent Classifications for
NEWS 18 APR 28
                U.S. patent records in CA/CAplus
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NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
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10/827514

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247883 BULLETIN/SO

448993 1988/SO

2475883 6/SO

4366 982/SO

L1 1 (BULLETIN AND 1988 AND 6 AND 982)/SO

=> dis 11

L1 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1989:595186 CAPLUS

DN 111:195186

TI Vanadic oxidation of papaverine in 2.5 M and 5 M sulfuric acid

AU Postaire, E.; Martinez, D.; Viel, C.; Chastagnier, M.; Hamon, M.

CS Lab. Chim. Anal., Fac. Pharm., Chatenay-Malabry, 92290, Fr.

SO Bulletin de la Societe Chimique de France (1988), (6), 982-8

CODEN: BSCFAS; ISSN: 0037-8968

DT Journal

LA French

OS CASREACT 111:195186

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=> FIL CASREACT

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SINCE FILE TOTAL
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9.50

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FILE CONTENT: 1840 - 8 May 2005 VOL 142 ISS 19

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=> D ACC 111:195186 ALL

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ANSWER 1 CASREACT COPYRIGHT 2005 ACS on STN

- AN 111:195186 CASREACT
- TI Vanadic oxidation of papaverine in 2.5 M and 5 M sulfuric acid
- AU Postaire, E.; Martinez, D.; Viel, C.; Chastagnier, M.; Hamon, M.
- CS Lab. Chim. Anal., Fac. Pharm., Chatenay-Malabry, 92290, Fr.
- SO Bulletin de la Societe Chimique de France (1988), (6), 982-8 CODEN: BSCFAS; ISSN: 0037-8968

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Journal
DT
LΑ
     French
     31-3 (Alkaloids)
CC
GI
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Vanadic oxidation of papaverine (I) in 5 M H2SO4 media shows a full oxidation AB into carbon CO2 and water. However, according to the exptl. conditions, and in 2.5 M and 5 M H2SO4 media, intermediates and products have been identified: papaveraldine, hemipinimide, m-hemipinic acid, 6,7-dimethoxyisoquinoline, 1-formyl-6,7-dimethoxyisoquinoline, 1-acetyl-6,7-dimethoxyisoquinoline, 4-hydroxy-6-demethylpapaveraldine, 4-hydroxy-4'-demethylpapaveraldine, 3-hydroxy-6-demethylpapaveraldine and 3-hydroxy-4'-demethylpapaveraldine. ST papaverine vanadic oxidn ITOxidation

(of papaverine, by vanadic acid, in dilute sulfuric acid) 522-57-6P 577-68-4P, m-Hemipinic acid 4764-20-9P, Hemipinimide TΤ 13326-55-1P, 1-Acetyl-6,7-dimethoxyisoquinoline 15248-39-2P, 6,7-Dimethoxyisoquinoline 71046-35-0P, 1-Formyl-6,7dimethoxyisoquinoline 115698-47-0P, 4-Hydroxy-6-demethylpapaveraldine 115698-48-1P 123348-80-1P, 3-Hydroxy-6-demethylpapaveraldine 123348-81-2P, 3-Hydroxy-4'-demethylpapaveraldine RL: FORM (Formation, nonpreparative); PREP (Preparation) (formation of, in vanadic oxidation of papaverine)

IT 6275-29-2, N-Acetylhomoveratrylamine RL: RCT (Reactant); RACT (Reactant or reagent)

(intramol. cyclization of) IT 12260-63-8

RL: RCT (Reactant); RACT (Reactant or reagent)

(oxidation by, of papaverine) IT 68881-60-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and Grignard reaction of, with methylmagnesium bromide) 4721-98-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and dehydrogenation of)

4594-02-9P, 1-Methyl-6,7-dimethoxyisoquinoline тт RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation and oxidation of)

TT 24237-25-0P

TT

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and oximation of)

IT

58-74-2, Papaverine RL: RCT (Reactant); RACT (Reactant or reagent) (vanadic oxidation of, in solute sulfuric acid)

RX(1) OF 24

RX(1) RCT A 58-74-2 RGT C 7664-93-9 H2SO4, D 1314-62-1 V2O5 PRO B 522-57-6 SOL 7732-18-5 Water NTE Other products formed, 2.5 and 5 m H2SO4

RX(2) OF 24 A ===> F

RX(2) RCT A 58-74-2 RGT C 7664-93-9 H2SO4, D 1314-62-1 V2O5 PRO F 4764-20-9 SOL 7732-18-5 Water NTE OTHER PRODUCTS FORMED, 2.5 AND 5M H2SO4

RX(3) OF 24 A ===> G

RX(3) RCT A 58-74-2 RGT C 7664-93-9 H2SO4, D 1314-62-1 V2O5 PRO G 577-68-4 SOL 7732-18-5 Water NTE OTHER PRODUCTS FORMED, 2.5 AND 5M H2SO4

RX(4) OF 24 3 A ===> H + I + J...

RX(4) RCT A 58-74-2 RGT C 7664-93-9 H2SO4, D 1314-62-1 V2O5 PRO H 15248-39-2, I 71046-35-0, J 13326-55-1 SOL 7732-18-5 Water NTE OTHER PRODUCTS FORMED, 2.5 AND 5M H2SO4

RX(5) OF 24 ...I ===> K...

RX(5) RCT I 71046-35-0 RGT L 7803-49-8 NH2OH PRO K 24237-25-0

RX(6) OF 24 ...M ===> N...

RX(6) RCT M 4721-98-6 PRO N 4594-02-9 CAT 7440-05-3 Pd SOL 103-73-1 PhOEt

RX(7) OF 24 ... N ===> I...

- RX(7) RCT N 4594-02-9 RGT Q 7446-08-4 SeO2 PRO I 71046-35-0
- RX(8) OF 24 ...K ===> M...

M YIELD 52%

(9)

- RX(8) RCT K 24237-25-0 RGT R 108-24-7 Ac20 PRO M 4721-98-6
- RX(9) OF 24 S + T ===> J

MeO MeO J

YIELD 53%

RX(9) RCT S 917-64-6, T 68881-60-7 PRO J 13326-55-1

RX(10) OF 24 U ===> M...

RX(10) RCT U 6275-29-2 RGT V 10025-87-3 POCl3 PRO M 4721-98-6

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND SET COMMAND COMPLETED

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=> log y COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	7.05	16.55
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
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